



# NEW JERSEY WEEKLY CROP WEATHER

New Jersey  
Agricultural Statistics Service

In Cooperation With:  
U.S. Department of Agriculture  
National Agricultural Statistics Service  
Agricultural Marketing Service  
U.S. Department of Commerce/N.O.A.A.  
Rutgers University

NOAA WEATHER RADIO STATIONS

**Allentown**  
WXL-39 on the VHF-FM  
frequency of 162.40 Megahertz.  
**Atlantic City**  
KHB-38 on the VHF-FM  
frequency of 162.40 Megahertz.  
**New York City**  
KWO-35 on the VHF-FM  
frequency of 160.55 Megahertz.  
**Philadelphia**  
KIH-28 on the VHF-FM  
frequency of 162.475 Megahertz.

NEW JERSEY AUCTIONS

**Vineland**  
Phone: (856)691-0721  
Sales 10:00AM Daily except Sunday.  
**Landisville**  
Phone: (856)697-2273  
Direct Sales Daily  
**Swedesboro**  
Phone: (856)476-0313  
**Hightstown**  
Phone: (609)448-0193  
Auction Sales Mon-Wed-Fri-7pm

Volume 65No. 14

Date: July 7, 2003

RUTGERS WEEKLY FORECAST

Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania

Issued by Rutgers University New Brunswick NJ

7 am EDT Monday July 7, 2003

Rainfall amounts, tenth to a quarter of an inch with locally higher amounts possible in thunderstorms through tonight, none Tuesday.

Winds for spraying, southwest 5 to 10 mph today, southwest 5 to 10 mph tonight, west 10 to 15 mph Tuesday.

Relative humidity in percent, 50 to 60 today, 90 to near 100 tonight, 45 to 55 Tuesday.

Dew points, upper 60s to low 70s through Tuesday.

Drying conditions are fair today, good Tuesday.

Frost freeze or dew, little dew but wetting possible in precipitation tonight and Tuesday night.

Percent of possible sunshine, 60 today, 80 Tuesday.

There is a 50 percent probability of precipitation during the 12 hour period beginning at 8 am and ending at 8 pm that could adversely affect the performance of pesticides that require a rain free period after application.

Hay cutting will see fair drying conditions today with a chance of showers and thunderstorms.

Estimated soil moisture in percent of field capacity continues to decrease and has fallen below 50 percent in most southern locations and therefore the need for irrigation has become more widespread. Some areas could see localized relief with showers and thunderstorms.

Weather conditions do not appear favorable for the occurrence of cranberry scald today and Tuesday based on experimental evidence.

The latest 8 to 14 day outlook for the period July 14, 2003 through July 20, 2003 is calling for temperatures to average near normal and precipitation to total below normal.

Climate summary for the week ending 8 am 07/07/03

Temperatures averaged much above normal. Extremes were 95 degrees at Freehold on July 5, 2003, and 53 degrees at Charlotteburg on July 1, 2003 and July 2, 2003.

Weekly rainfall averaged 0.04 inches north, 0.44 inches central, and 1.41 inches south. The heaviest 24 hour total reported was 2.02 inches at Atlantic City Marina on July 2, 2003 through July 3, 2003.

Estimated soil moisture, in percent of field capacity, this past week averaged 53 percent north, 49 percent central, and 51 percent south.

Four inch soil temperatures averaged 73 degrees north, 75 degrees central, and 77 degrees south.

WEATHER SUMMARY FOR THE WEEK ENDING 8 AM MONDAY 07/07/03										
Weather Stations	Rainfall			Temperatures				Growing Degree Days 1/		Soil Moisture 2/
	Last Week	Since March 1		Last Week						
		Total	Dept.*	Max.	Min.	Avg.	Dept.*	Total	Dept.*	
- Inches -			- Degrees -				- Base 50°F -			
NORTH										
Belvidere Bridge	.04	22.16	5.93	94	57	77	6	1041	46	41
Canoe Brook	.00	22.74	5.40	93	58	77	5	1078	89	51
Charlotteburg	.05	23.74	6.20	90	53	73	4	772	-13	44
Flemington	.00	20.70	4.07	91	57	75	3	1011	-11	52
Long Valley	.00	18.58	.78	86	58	72	3	725	-127	47
Newton	.16	19.85	3.97	91	57	76	6	929	56	49
CENTRAL										
Freehold	.11	19.00	2.74	95	60	77	4	1112	-8	47
Long Branch	.33	20.70	4.44	93	64	77	4	978	-69	32
New Brunswick	.03	20.86	4.90	93	59	77	3	1070	-122	58
Pemberton	DATA NOT AVAILABLE									
Toms River	1.44	20.17	3.87	94	62	77	3	1079	27	64
Trenton	.28	18.70	3.71	92	61	76	1	1050	-192	34
SOUTH										
A.C. Marina				DATA NOT AVAILABLE						
Cape May C.H.	1.32	16.65	2.29	91	63	77	3	1041	-90	51
Downtown	.87	19.12	4.34	92	64	77	3	1136	-122	51
Glassboro	1.20	20.43	4.53	93	66	78	4	1230	-7	60
Hammonton	1.06	16.79	1.19	94	64	78	4	1197	-33	48
Pomona	1.66	18.23	4.12	93	64	78	5	1071	-62	74
Seabrook	2.33	20.04	5.79	93	66	78	4	1272	7	96
South Harrison	.48	19.41	3.45	93	66	78	NA	1221	NA	NA

\*Departure from normal.  
1/ Growing degree days since March 1, total and departure from normal or long term average.  
2/ Estimated soil moisture as % of field capacity based on climate data.

AGRICULTURE

Days suitable for field work were 7.0. There were measurable amounts of rainfall during the week over most of the state. Temperatures were above normal in most areas for the week. Top soil moisture was rated 57% short and 43% adequate. Activities during the week were irrigating, planting soybeans, harvesting wheat, cutting hay, side-dressing fertilizer, spraying pesticides and herbicides, and cultivating. Small grains and hay crops were rated fair to good. Some emerged corn stalks displayed nitrogen deficiencies due to heavy rainfall during June. Potato vines started to go down in parts of the south. Sweet potatoes were in fair to good condition. Tomato plants displayed noticeable leaf spot in areas in the north. Small quantities of tomatoes were harvested in the south. Peppers planted under high tunnel plastic were harvested. Peppers planted in low spots were flooded out by heavy rains. Spring snap bean harvest began. Blueberry harvest activities continued in the central and south. Cranberry plants displayed good bloom. Very early varieties of peaches were picked.

	SOIL MOISTURE TABLE		
	THIS WEEK	LAST WEEK	PREVIOUS YEAR
VERY SHORT	0%	0%	20%
SHORT	57%	6%	80%
ADEQUATE	43%	62%	0%
SURPLUS	0%	32%	0%

JERSEY FRESH AVAILABILITY FOR JULY 7, 2003

**Arugula** - Good quality and decreasing volume with the warmer temperatures.

**Beets** - Good quantities of spring planted product available.

**Blueberries** - Things are late this year. Increasing quantities of excellent quality, good sized, Duke variety berries are expected this week with volume continuing to build building quickly. While Duke volume may be slightly down this year, the follow-up Bluecrop variety will have volume similar to last year. Minimal quantities of Bluecrop variety berries will be picked later this week with much increased volume next week and through the end of the month.

**Cabbage** - Savoy, Green, and Red varieties being seen in good quantities.

**Cilantro** - Good quality and quantity of spring planted product available though in decreasing volume with the warmer temperatures.

**Collards** - Good quality and quantity.

**Cucumbers** - Good quality and quantity available with volume growing over the next several weeks.

**Dandelions** - Spring planted San Pasquale variety available in good quantities.

**Dill** - Good quality and quantity available.

**Escarole/Endive** - Good quality and decreasing quantity with the warmer temperatures. Starting to taper off in the next few weeks.

**Greens** - Good quality and decreasing quantities seen of Kholrabi, Kale, Mustard, Broccoli Raab, and Swiss Chard with the temperatures increasing.

**Leeks** - Over-wintered product is available now and for some time.

**Lettuce** - Fair, and decreasing, quantities of good quality Red and Green Leaf and Romaine and Boston. Slowing down each week as the weather warms.

	RANGE AND PASTURE		
	CURRENT	PREVIOUS WEEK	PREVIOUS YEAR
VERY POOR	0%	0%	0%
POOR	0%	0%	3%
FAIR	24%	22%	68%
GOOD	66%	58%	29%
EXCELLENT	10%	20%	0%

**Parsley** - Good quality and quantity of spring seeded plain and curley varieties.

**Pickles** - Good quality and quantity entering the marketplace with increasing volumes over the next several weeks.

**Radishes** - Decreasing volume available.

**Spinach** - Good quality and decreasing quantity of spring planted available as the weather warms.

**Sweet Corn** - Minor acreage grown under plastic allowed for some early product for road stands this past holiday weekend. Increased quantity expected later this week and fair quantities next week from South Jersey.

**Turnips** - Volume continuing to increase.

**Yellow Squash** - Good quality and quantity available now.

**Zucchini** - Good quality and quantity available now.

**JERSEY FRESH FORECAST**

**Eggplant** - Begin to become available towards late July. Volume increasing quickly after that.

**Melons** - Minimal quantity of cantaloupes started under plastic begins next week. Volume increasing quickly after that.

**Peaches** - Growers are looking forward to a season with very good quality and size. The early yellow variety Sentry will begin to become available next week. Redhaven and John Boy varieties will be available in volume several weeks later. White peaches will begin at the end of the month or beginning of August with the White Lady variety. The new white peach varieties have the look and flavor that consumers desire and the shelf life that allows you to get the peaches to them.

**Peppers** - Begin to become available by week of July 21st. Volume increasing quickly after that.

**Tomatoes** - Field grown harvest begins next week with minimal quantities. Volume available by the following week.